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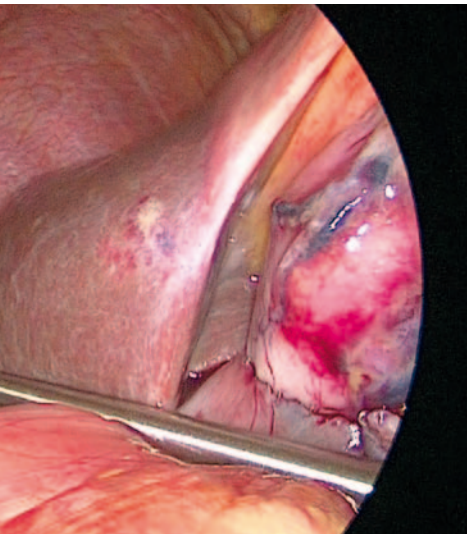
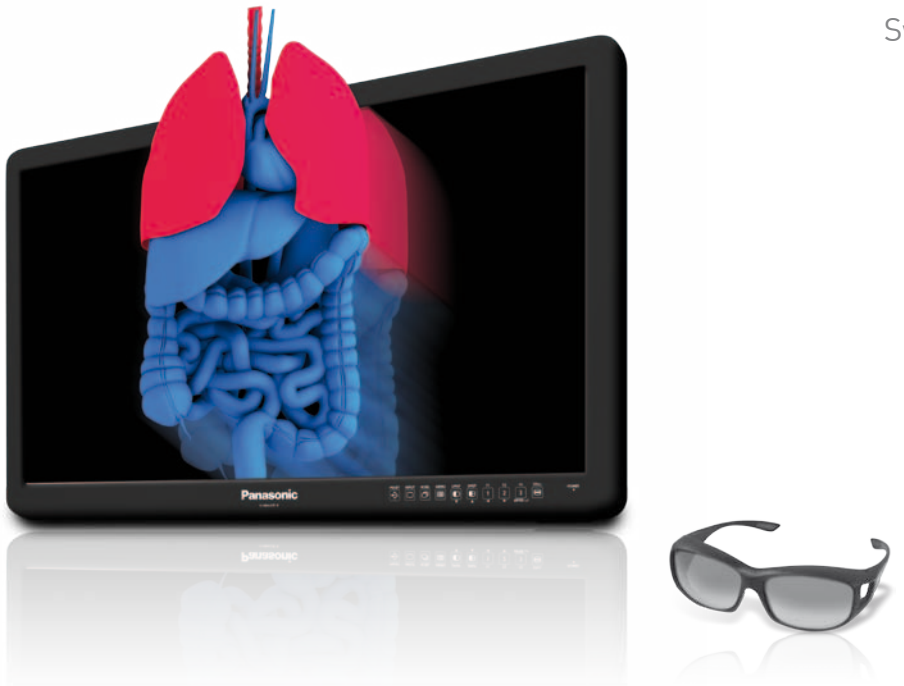


EJ-MDA32E-K

3D Medical Full HD LCD Monitor

- Natural-like 3D effect
- Bright and flicker-free image
- Parallax adjustment function
- Compatibility with popular 3D formats
- Switchable between 2D and 3D



Enter the world of Panasonic 3D Medical Images

The new Medical 3D Full HD LCD Monitor makes an incredible viewing experience for surgeons possible. Take advantage during more complicated surgeries as well as medical trainings and increase efficiency through an optimum of three-dimensional orientation. The natural-like 3D effect and excellent image quality is suitable for endoscopic surgery as well as microscopy. Due to light weight polarized glasses a good wearability is assured in any situation.

Natural-like 3D effect

Excellent 3D effect and image quality are best suitable for end oscopic surgery allowing quick recognition of affected areas an d smooth saturation procedures. Bright flicker-free images throug h light weight 3D glasses greatly reduce 3D related nausea and eye fatigue. Fine adjustment of 3D effect is possible with inc luded parallax adjustment function.

Excellent image quality

Advanced IPS (In-Plane-Switching) technology allows accurate co lor reproduction and consistent performance not affected by environment of usage, which improves efficiency in operation p rocedures in combination with better visibility with large scre en and full-screen display mode function.

Flexible switching to 2D

Panasonic's medical 3D LCD monitor features flexible selection from 2D/3D modes and multiple display modes via OSD, function key, GPI and RS232C interfaces.

3D Feature

- Technology: Passive 3D with Xpol ® polarization filter
- Compatible 3D Input Format:

Side-by-side | Line-by-line | Top & bottom | Dual stream

- 3D Input Terminal: HD-SDI / DVI-D
- 3D Function: Odd/even line selection / Parallax adjustment
- 3D displayable Input Signal:
  1080/60p(DVI), 1080/50p(DVI), 1080/30p, 1080/25p, 1080/24p, 1080/24PsF
  1080/60i, 1080/50i, 720/60p, 720/50p

Xpol is registered trademark of Arisawa Co., Ltd

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Medical 3D LCD Monitor Specification

General	EJ-MDA32U-K
Power (Internal)	AC100-120/200-240V±10% 50/60Hz
Power Consumption	100V-240V / 1.44A-0.64A
Dimensions (HxWxD)	473 x 776 x 114 mm
Weight	15 kg
Cabinet Color	Front: Black / Back: White
Image Specifications	
Size (Diagonal)	32.0" (81 cm)
LCD Panel	IPS-Pro
View Area	698 x 393 mm
Aspect Ratio	16:9
Pixel	1920 x 1080
Number of Colors	16.77 million
View Angle	(2D mode) V:178 H:178; (3D mode) V: 26-28 (typ) H:178
Luminance	400 cd/m2 (typ.)
Contrast	1000:1 (typ.)
Response Speed Rise: Black > White Fall: White > Black	8 ms (typ.) / 6 ms (typ.)
Features	
IPS	Wide view angle with IPS panel
HD Dual Input	HD-SDI 2 input / DVI-D 2 input: independent display mode
Reverse Display	180°/90°/270° rotation
Still Mode	Temporary still mode
OSD Language	English / Spanish / Italian / German / French
Image processing	10bit
Input	
HD/SD-SDI	2 input, BNC x 2
DVI-D	2x 24 pin input / input 1: with HDCP; input 2: without HDCP
HD15	1 input, Dsub 15 pin
YPbPr/RGB	1 input, BNC x 5, Y/G, Pb/B, Pr/R, CSYNC/HD, VD
Video	1 input, BNC x 1
Y/C	1 input, miniDin 4 pin x 1
Output	
HD/SD-SDI	2 output, BNC x 2
DVI-D	1 output without HDCP
YPbPr/RGB	1 ouput, BNC x 5, Y/G, Pb/B, Pr/R, CSYNC/HD, VD
Video	1 output, BNC x 1
Y/C	1 output, miniDin 4 pin x 1
Remote	
RS232C	1 connector, Dsub 9 pin
GPI	1 GPI
Frequency	
Frequency	Horizontal: 31.4 ~ 75 kHz, Vertical: 56.2 ~ 85.1 kHz
Dot Clock	25.1– 162 MHz
Signal Level	
HD/SD-SDI	800 mV ± 10%
DVI-D	TMDS single link
HD15	R/G/B: 0.7 Vpp, HD/VD: TTL
YPbPr/RGB	R/G/B: 0.7 Vpp, HD/VD: TTL, Y:1 Vpp, Pb: 0.7 Vpp, Pr: 0.7 Vpp
Video	Video 1 Vpp
Y/C	Y: 1 Vpp, C: 0.286 Vpp (NTSC Burst), 0.3 Vpp (PAL Burst)
Mounting	
VESA	200 x 200 mm
Compilance	
	EN60601-1, EN60601-1-2, CE(MDD)
Attachment	
Access	AC Cord
Operating Instructions	Yes (English / Spanish / Italian / German / French)
3D Glasses	Circular polarized glasses (not part of supply)

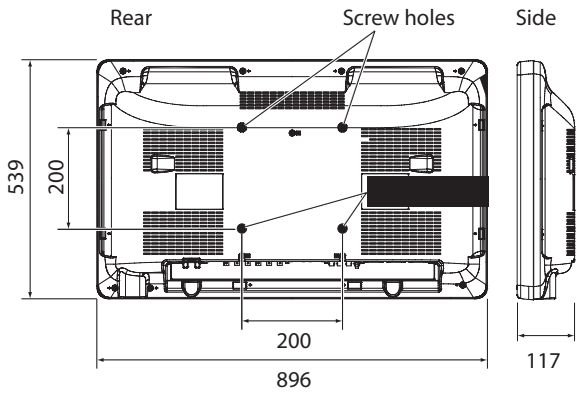
Data subject to change without notice.

as at 2011

Medical 3D LCD Monitor Specification

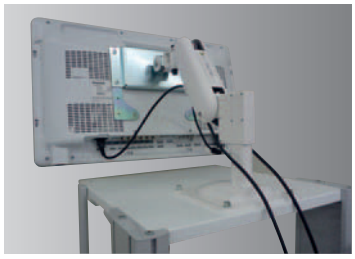
Appearance

Unit: mm

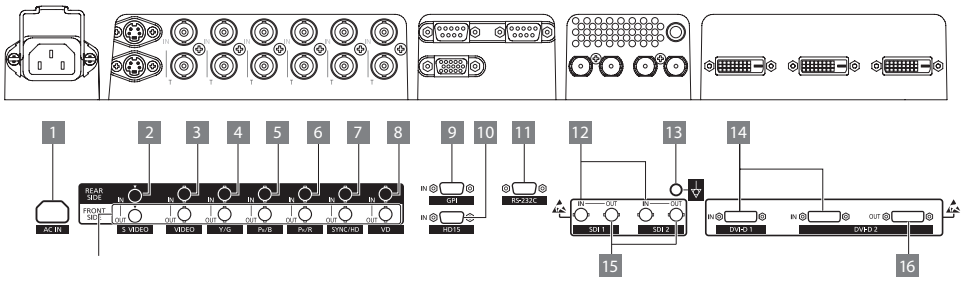


Front view

Back view



Terminal



1. Power supply
2. S-Video-Input (4-pin, Mini, DIN)
3. Video-Input (BNC-Type)
4. Y/G-Input (BNC-Type)
5. Pb/B-Input (BNC-Type)
6. Pr/R
7. SYNC/HD-Input (BNC-Type)
8. VD-Input (BNC-Type)
9. GPI-Input (D-Sub 9-pin)
10. HD 15-Input (Mini-D-Sub, 15-pin)
11. RS-232C-Input (D-Sub 9-pin)
12. SDI 1/2-Input (BNC-Type)
13. potential equalisation pin
14. DVI-D 1/2-Input (DVI-D)
15. Loop-Through SDI 1/2
16. Loop-Through DVI-D2

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